

ONLINE REPOSITORY SYSTEM FOR PETAKOM CLUB

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ABSTRACT

This thesis presents the development of a web-based system customized to serve the need of a PETAKOM club of FSKKP in UMP. The system is designed to replace a paper-based process that gradually become unmanageable due to the increasing large volume of data. Features of the new system include online recording of forms, database query functions, activities update, members update, manage and monitor the progress data and activities included in Petakom. The design principles and introduce a functional component diagram for the system. The system is implemented on Windows platform using open source software such as PHP, MySQL, and Apache. Performance of the developed system is assessed practically and an efficient, and user friendly operation is demonstrated.

ABSTRAK

Tesis ini membentangkan pembangunan sistem berasaskan web yang khas untuk kelab PETAKOM FSKKP di UMP. Sistem ini direka bentuk untuk menggantikan proses berasaskan kertas yang secara beransur-ansur menjadi tidak terurus kerana jumlah data yang besar yang semakin meningkat. Ciri-ciri sistem baru termasuk rakaman dalam talian bentuk, fungsi permintaan pangkalan data, update aktiviti, update ahli, mengurus dan memantau data kemajuan dan aktiviti yang termasuk dalam Petakom. Prinsip-prinsip reka bentuk dan memperkenalkan gambarajah komponen berfungsi untuk sistem. Sistem ini dilaksanakan di atas platform Windows yang menggunakan perisian sumber terbuka seperti PHP, MySQL, dan Apache. Prestasi sistem maju ditaksir praktikal dan yang cekap, dan operasi mesra pengguna ditunjukkan.

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CHAPTER 1

INTRODUCTION

This chapter briefly discuss on the overview of this research. It contains five sections. The first section is introduction; follow by the problem statement. Next are the objectives where the project's goal is determined. After that are the scopes of the system and lastly is the thesis organization which briefly describes the structure of this thesis.

1.1 BACKGROUND OF STUDY

Petakom is an organization or a club that is handled by students of FSKKP and is launched for all students of FSKKP in UMP. [1] The purpose of Petakom is to keep, maintain, learn, and teach their members to make a good relationship among people and also among themselves. Petakom is also helping people in optimizing their leadership talent and building a healthy mind and moral to create a harmonious environment. On the other hand, Petakom are also giving opportunity to the people and also their members to get involved in healthy activities such as helping people, launching healthy campaign, and so on.

Management Information System (MIS), explanation about how to manage the information in systematic and use the computerized to keep or save the related data for PETAKOM Club. MIS can be improved by understanding the behavioral processes by

which humans process information and make choices. [2] The importance of maintaining a consistent approach to the development, use, and review of MIS systems within UMP Research Centre must be an ongoing concern of both admin and user. MIS should have a clearly defined framework of guidelines, policies or practices, standards, and procedures for the organization.

An online repository is a storage location that is located on the web from which packages may be retrieved and installed on a computer or a server.[3] An Online repository is designed to store information of data in the web and is accessed online by its user. [4] Many web publishers and other organizations maintain their servers or systems on the Internet for this purpose. Administrators of such repositories typically provide a package management system, tools intended to search for, install and otherwise manipulate web or data packages from the repositories.

1.2 PROBLEM OF STATEMENT

Petakom Club is currently using manual registration form for their current and new members such as using paper instead of electronically. They store their document in ring file and search their member by file to file sorted by alphabetical order.

This system developed to manage Petakom in handling data gathering. The system lets the user to insert or update new data information to the database such as member information and new member registration online in an efficient way. With online registration, admin can register as new member and it will be much easier for them to register at anytime and anywhere they want.

This system also allows administrator to manage all tasks especially for adding,update, monitoring and deleting data of Petakom members in the database. With this, all of the data are easier to handle and managed only by administrator. All of the searching part are done efficiently using name, and does not require a ring file just to search member's information.

By using this system, member's record cannot be deleted from the database. It should be kept for reporting purposes. Administrator would not have to use the log book to create a report. Current members shall have their status active. While the members that had resigned or terminated, their status should be resigned or terminated. Members Petakom Club are allowed to access their information anytime and anywhere that have internet connection. They also can upload and download file to or from this system so it will be easier for members in Petakom club to share information each other

1.3 OBJECTIVES

- i. To computerize the manual process of information management for PETAKOM club as online database system.
- ii. To create paperless working environment to reduce using a paper instead of traditional working type such as using a log book.
- iii. To produce the Software Engineering documentation of Software Requirement Specification (SRS), Software Design Description (SDD) as system development references.

1.4 SCOPE

The major scope of project is for the member of Petakom Club. The members of Petakom Club will be able to check their membership status, accessed online, upload and download file, search for other members, and edit their membership information. Only students who have joined in as members can accessed the system. Any activities or feedback will be made or informed by administrator to the members.

1.5 ORGANIZATION OF THESIS

This thesis consists of six (6) chapters. Chapter 1: Introduction- This chapter is the introduction about the project that had been be developed. It consists of background, problem statement, objective, scope, and thesis organization. Chapter 2: Literature Review- This chapter explained the case study of the project. These are 2 general structures of this study, the technique that has been used and the former system that already created. Chapter 3: Methodology- This chapter discussed more close on the overall work flow in the development of the project. It justified the technique along with the equipment and the software. Chapter 4: Implementation- This chapter discuss on how Hire-Car System had been developed in development environment structurally and logically. Chapter 5: Result and Discussion- This chapter discussed on the results or output produced as expected and the result is further discussed. Chapter 6: Conclusion. This chapter concludes about the entire system.

CHAPTER 2

LITERATURE REVIEW

2.1 INTRODUCTION

This chapter discusses about Management Information System (MIS), explanation about how to manage the information in systematic and use the computerized to keep or save the related data for PETAKOM Club. It also discusses about the current MIS uses technology.

2.2 STUDY ON EXISTING SYSTEM

2.2.1 Mudah.my

Mudah.my is a website that provides information and advertisement of the user that want to selling their product online. The service allows anyone to buy and sell in his or her region conveniently in a very simple manner [1]. This website has a simple interface and reliability. Figure below shows some of the interface of this website.

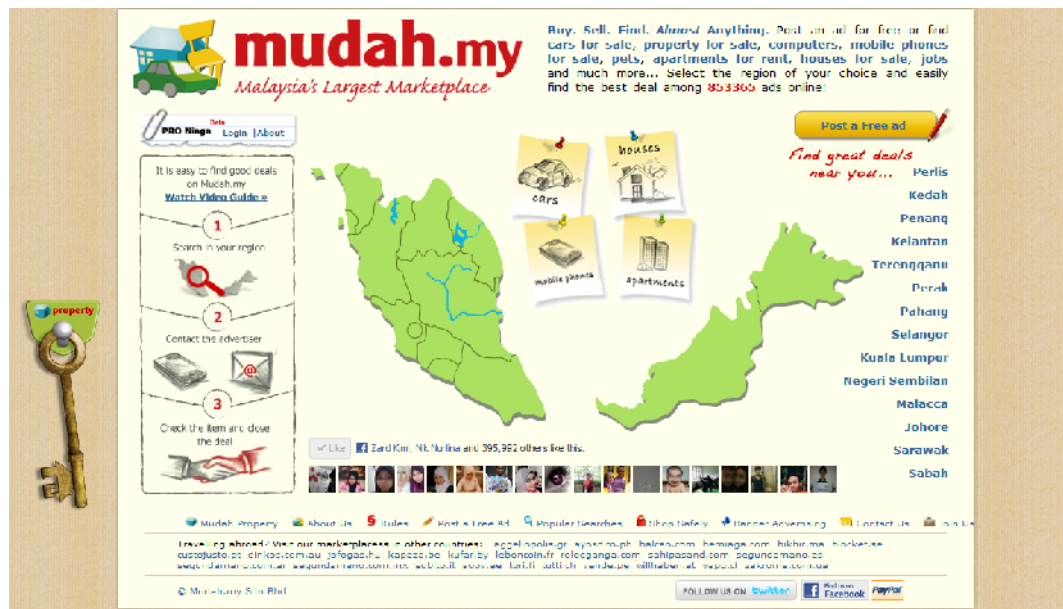


Figure 2.1: View of homepages for Mudah.my website.

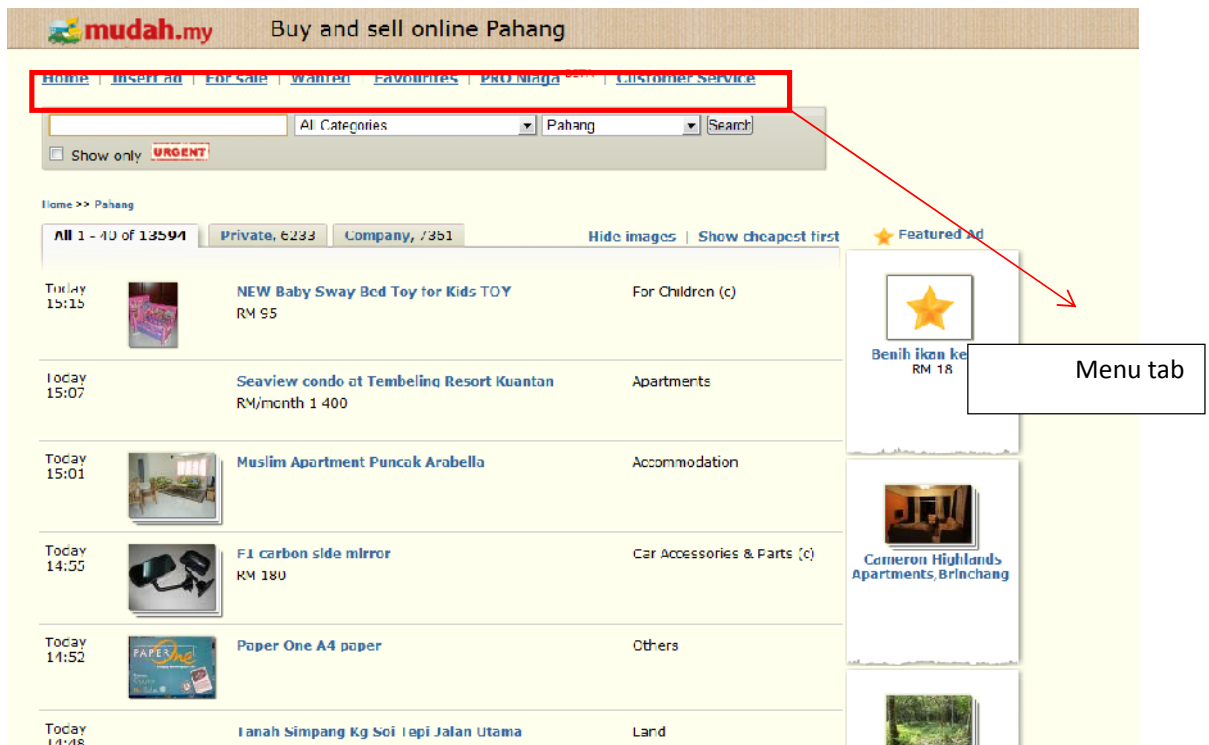


Figure 2.2 : View content and menu tab of the websites

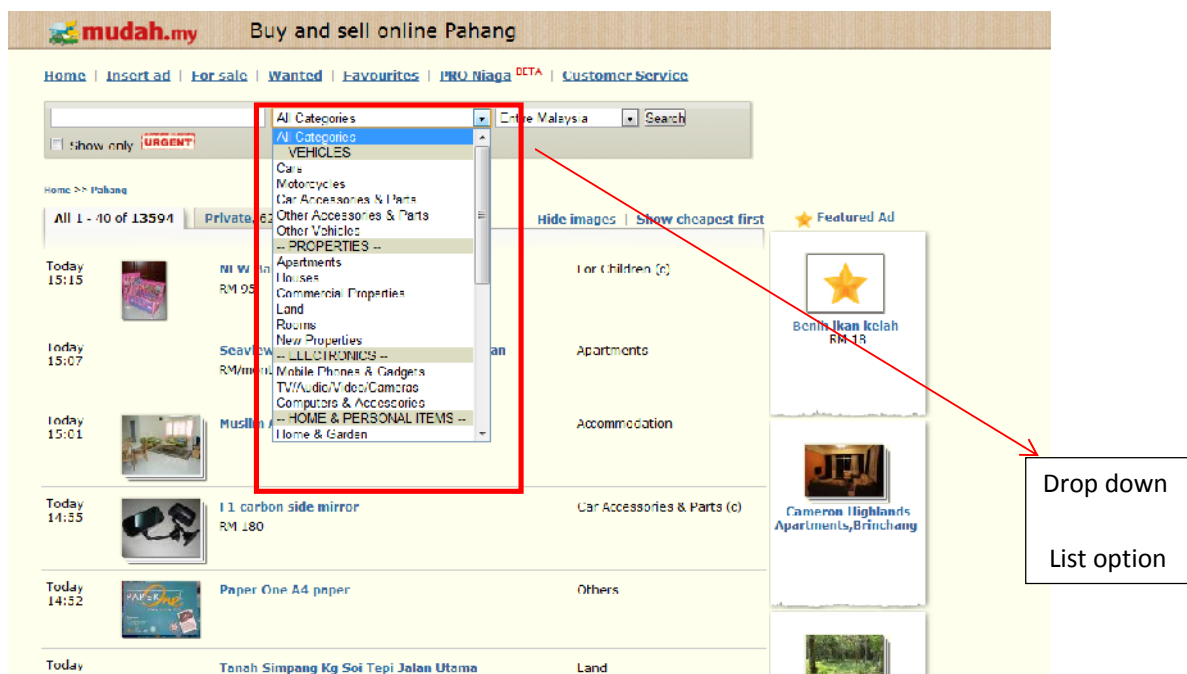


Figure 2.3 View of drop down list for searching option in this Mudah.my websites.

The screenshot shows the 'Step 1 of 3: Fill Up the Insert Ad Form' page on Mudah.my. The form includes fields for Name, E-mail, IC Number, Phone number, Category, Region, Heading, and Ad text. A red box highlights the form fields. A red arrow points from the form to a text box labeled 'Form fill'.

Figure 2.4: View of the form to register the new user in this websites.

2.2.2 Hardwarezone Malaysia

This website provides latest information of technology. And place to share information in their forum in this website. [2] Figure below show some interface from this website.



Figure 2.5: View of the homepage for the hardwarezone Malaysia.

MALAYSIA HARDWARE ZONE BETA

agoda.com New Singapore hotel deals everyday book now!

View 1024 100% Search HWZ Malaysia

HWZ Membership

Member Registration

In order to be able to post messages on the www.hardwarezone.com.my forums, you must first register. Please enter your desired user name, your email address and other required details in the form below.

User Name

Password

Please enter a password for your user account. Note that passwords are case-sensitive.

Confirm Password

Email Address

Please enter a valid email address for yourself.

Confirm Email Address

Image Verification

Please enter the six letters or digits that appear in the image opposite.



Refresh Image

Required Information (profile) >>

All fields are required. Your privacy is protected.

Full Name

Note that this field is only viewable by yourself. Your privacy is protected.

Gender

Note that this field is only viewable by yourself. Your privacy is protected.

☒ Male ☐ Female

Education

Note that this field is only viewable by yourself. Your privacy is protected.

Registration form

SMB Workshop Survey Start

Figure 2.6: View of registration form for this websites



Figure 2.7: View of the menu control of this websites

2.2.3 District Government Tando Allahyar

This website is a revolutionary concept designed and developed by the National Reconstruction Bureau, Government of Pakistan, to work as an aid in support of the Local Governments under the Devolution Plan. [3] Figure below shows some of the interface of this websites.



Figure 2.8: Website homepage of district Tando Allahyar

District Government Tando Allahyar

CERTIFICATES

LICENSES

- DRIVING LICENSE
- GAMING & ANIMAL LICENSE
- WEAPON LICENSE

LOANS

PERMITS

REGISTRATIONS

UTILITY CONNECTIONS

MISCELLANEOUS

WEAPONS LICENSE

Contact Details:

Name: Ghulam Shabir Sanjani **Designation:** Office-Superintendent

Tel No.: 022-3892908 **Fax No.:** 022-3892908

Address: -----

Type of License	Provisional Charges/Fee	Renewal Charges/Fee	Documents Required
Revolver (N.P.B.)	Rs.2000/-	Rs.400/-	One CNIC copy, NTN certificate or Receipt of Agriculture land, character certificate from concerned UC Nazim, verification letter from DPD(operation) along with application form
Pistol (N.P.B.)	Rs.2000/-	Rs.400/-	--do--
Rifle (N.P.B.)	Rs.2000/-	Rs.400/-	--do--
Shot Gun (N.P.B.)	Rs.1000/-	Rs.300/-	--do--

Procedure:

1. On receipt of application on prescribed form, necessary report as to character of the applicant will be obtained from Police Department. 2. The residence of the applicant is confirmed through concerned UC Nazim. 3. Then the applicant is asked to provide certificates to ascertain of his financial position with regards to his occupation/profession in terms of policy framed by the Home Department. 4. When all the formalities are completed and the request of the applicant is found genuine, the Arms License will be issued as per quota on payment of the government charges as per Arms Ordinance.

Figure 2.9: Website information on obtaining weapon license

2.2.4 Comparison Between 3 Websites

In the website of mudah.my, there is providing the_service allows anyone to buy and sell in his or her region conveniently in a very simple manner. [4] For the unregistered user they also can view the advertisement in homepage. For the user that has been registered, they can advertise the picture of product that they want to sell. They do not have a comment or discussion post at their advertisement. This may be difficult for user that want ask question. This website is easy to use for everyone because this website is simple and really convenient to use. For the hardwarezone.my website, there are providing a lot of latest information. The information always been updated frequently every day. This website is good where this website providing a place such as forum to make a discussion in this websites. For the last website is District Government Tando Allayar. This website I take from the journal by Danial Aziz, Syed Adnan Shah and Deebea Gilani of National Reconstruction Information Management System (NRIMS). This management system revolutionary concept designed and developed by the National Reconstruction Bureau, Government of Pakistan, to work as an aid in support of the Local Governments under the Devolution Plan. All of the comparison as table below: